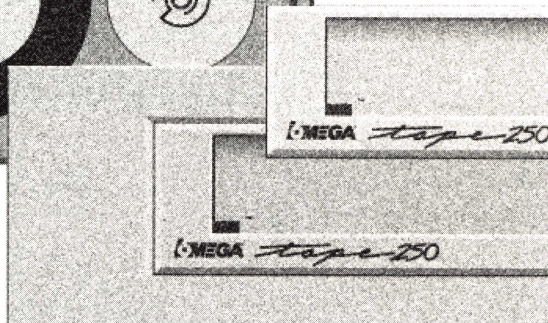
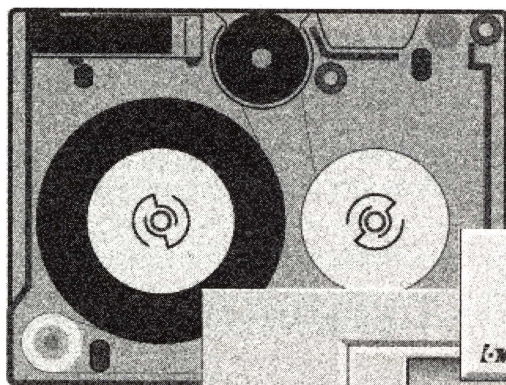


Read Me First



Iomega TAPE250™ Insider and Insider Half-Height Subsystems Installation Guide

Congratulations!

The Ease of Iomega Tape Data Storage Is at Your Fingertips

Use this installation guide to set up and install your Iomega TAPE250 Insider or Insider HH (Half-Height) Subsystem.

 **CAUTION** Before handling the TAPE250 drive(s), discharge any built up static electricity by touching a grounded metal object. Circuit boards and integrated circuits can be damaged by electrostatic discharge. 

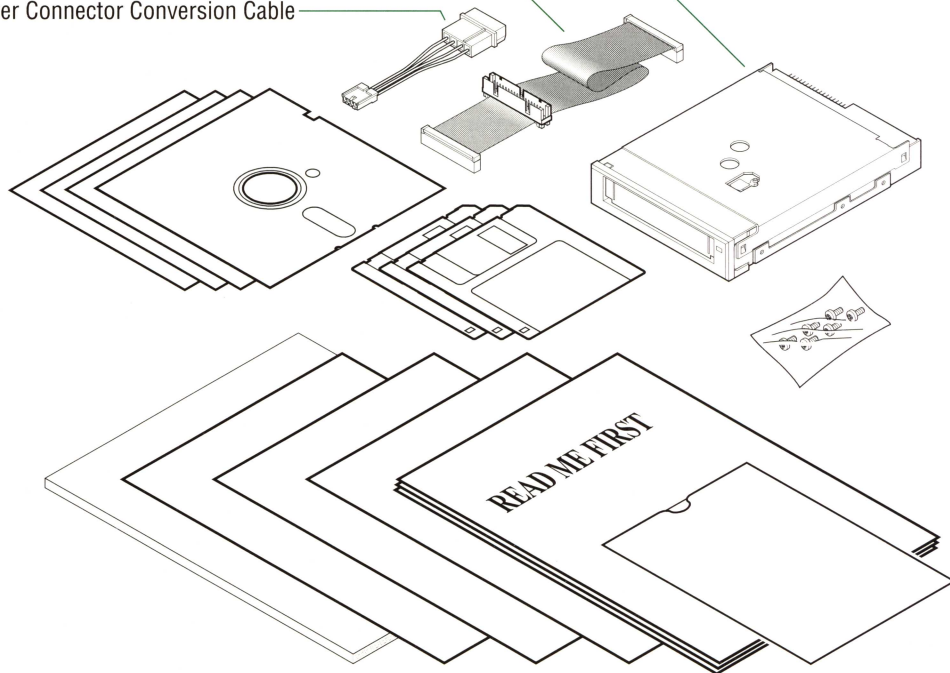
Check Your Equipment

After unpacking the TAPE250 Insider or Insider HH shipping box, look over the illustrated parts and make sure the subsystem is complete and undamaged.

Insider Tape Drive

AH-402—Data Y-Cable

Power Connector Conversion Cable



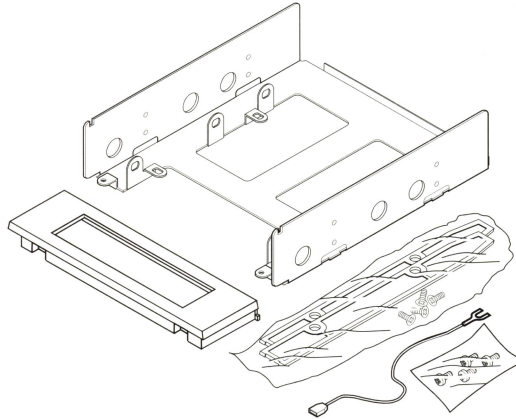
TAPE250 Insider Ship Kit*

(additional kit contents for the Insider HH are shown in the next illustration)

* The number of diskettes and manuals may vary from this illustration as upgrades are made.



Thoroughly check the packing materials and save them for possible future use. If anything is missing or damaged, contact your authorized Iomega dealer before proceeding.

If you purchased the Iomega TAPE250 Insider HH subsystem (with conversion hardware for 5¼ inch, half-height bays), the Insider HH ship kit includes the same contents illustrated for the TAPE250 Insider *and* the contents illustrated here.



TAPE250 Insider HH Conversion Hardware for 5¼ inch, Half-Height Bays

Preparing for Setup

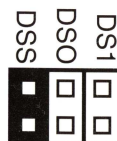
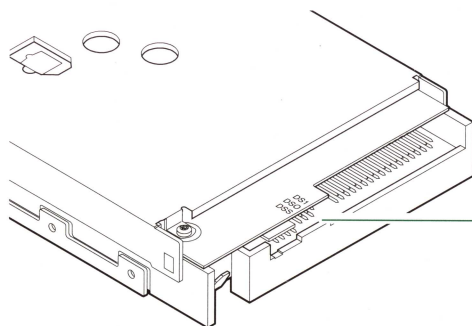
 **WARNING** *Turn off the computer system electrical power (leaving the power cord connected to maintain electrical ground, if possible) before beginning any computer system hardware change.* 

Temperature and Condensation

Let the hardware — subsystem and tapes — adjust to operating temperature (from 10° to 45°C or 50° to 113°F) before use. As a guideline, if the hardware was stored at a temperature different from your environment temperature but within the above limits, one hour should be sufficient time for the hardware temperature to stabilize. If the hardware was stored at a temperature outside these limits, several hours may be necessary for adjustment. Do not operate the subsystem when condensation is present on the drive or tapes.

Check the Jumper Settings

The DSS jumper is set at the factory to operate with most IBM® AT® and compatible computers. (Optional settings are described and illustrated in the *Iomega TAPE250 Subsystems-General Reference Guide*.)



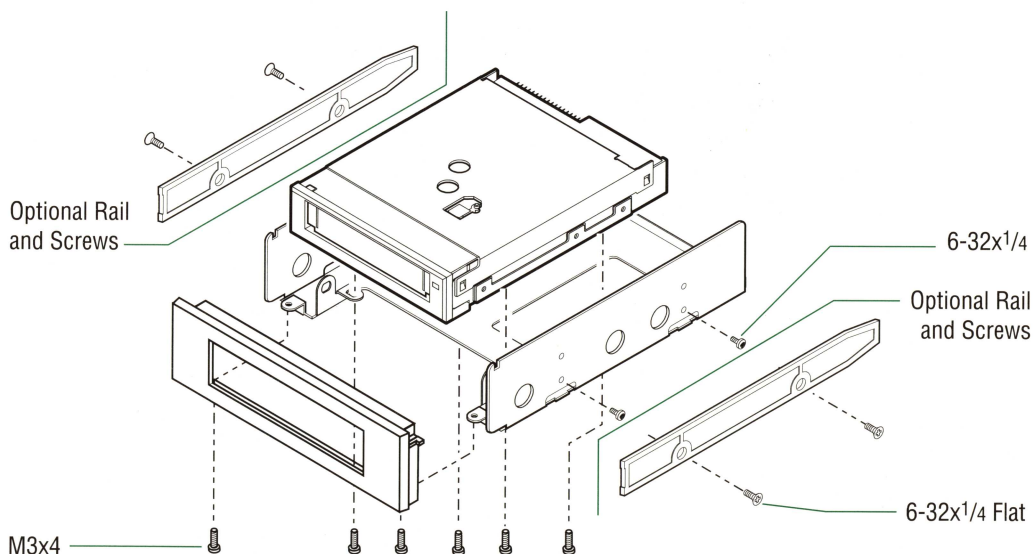
Factory Jumper Settings

Install the Configuration and Accessory Hardware

The Iomega TAPE250 Insider is a 3½ inch, inch-high, internal tape subsystem. It is designed to be installed directly into a spare 3½ inch, inch-high bay in most IBM AT and compatible computers. The *Iomega Configuration and Accessory Guide* lists the compatibility hardware your computer may need; it also lists other parts to help you optimize backup performance.

Install the TAPE250 Insider HH Conversion Hardware

Setup for an Insider HH installation requires installation of the 5¼ inch, half-height conversion hardware shipped with the subsystem. Refer to the following illustration and use the appropriate hardware for installing in your drive bay.



4

Remove the cover of the drive bay selected for the TAPE250 drive and carefully slide the drive, with the appropriate mounting hardware attached, into the open bay. (Sometimes it is necessary to adjust or modify the mounting hardware slightly, according to the bay mounting requirements.)

5

Connect a spare mini power connector directly to the tape drive power connection, **OR**

*If you connected the power conversion cable in Step three, now connect your spare power cable to the large end of the conversion cable, **OR***

*If you have no spare power cable, refer to the *Iomega Configuration and Accessory Guide* and order the AH-402 power Y-cable.*



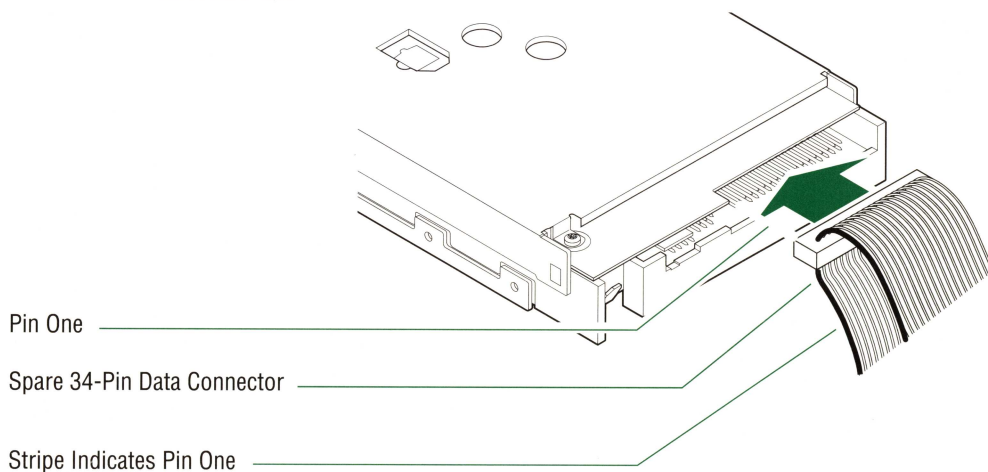
CAUTION *Most data connectors have pin one marked to match with pin one on the corresponding connector. Some data connectors also are keyed to prevent improper connection. Connecting the data connectors improperly may result in equipment damage and/or data loss on any inserted floppy disks.*

Data Connection

The next three steps — six, seven, and eight — are different cases for data connection, depending on your configuration. Read the qualifying statements for each step and decide which *one* applies to your situation. Carry out that step next.

6

Data Connection Using a Spare 34-pin Connector Locate a spare 34-pin data connector on the existing data cable in your computer and find pin one. Align pin one of the data connector with pin one of the connector on the rear of the tape drive and make the connection as illustrated next.



Connecting a Spare 34-Pin Data Connector



Card Edge Connectors

If your existing data cable only has card-edge connectors, use the data Y-cable included with the Insider tape drive to replace your existing data cable and connect it to the tape drive as illustrated in Step seven.

Install Special Rails or Other Hardware

Special rails or other hardware for your TAPE250 subsystem should be installed now.

△ The Iomega PC10p, One Megabit per Second (Mbps) Controller

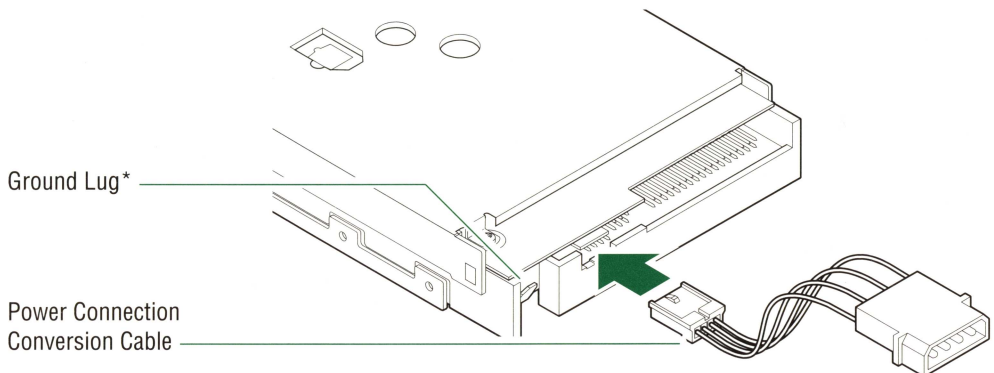
The PC10p, 1Mbps tape controller can double the data transfer rate of your TAPE250 drive. It is designed to coexist with or replace your existing floppy controller. Your computer needs an open expansion slot for the PC10p. Refer to the *Iomega Configuration and Accessory Guide* for more information. △

Installing the Insider or Insider HH Subsystem

- 1 Remove any floppy disks from your system floppy drive(s), turn off the computer power switch, and remove the computer cover.

△ **CAUTION** *The power connectors are keyed to avoid improper connection. Forcing the connectors together against the keyed direction will cause damage to the subsystem.* △

- 2 If you plan to use the optional PC10p tape controller, follow the *Kit Setup* instructions shipped with the controller.
- 3 Locate a spare power cable with a mini-connector in your computer and go to Step four. (If no spare power cable with a mini-connector is available in your computer, connect the power connector conversion cable to the Insider tape drive as illustrated next.)



* Connect a ground wire from the metal computer chassis to this ground lug for proper subsystem grounding.

Connecting the Power Connector Conversion Cable to the Insider Tape Drive

7

Data Connection if No Spare 34-pin Data Connector is Available Disconnect the existing data connector from your computer floppy controller card. Reconnect it to the center connection of the data Y-cable included with your Insider tape drive. Connect one end of the data Y-cable to the 34-pin connection of the tape drive. Connect the other end of the data Y-cable to the existing floppy controller connection as illustrated.

Stripe Indicates Pin One

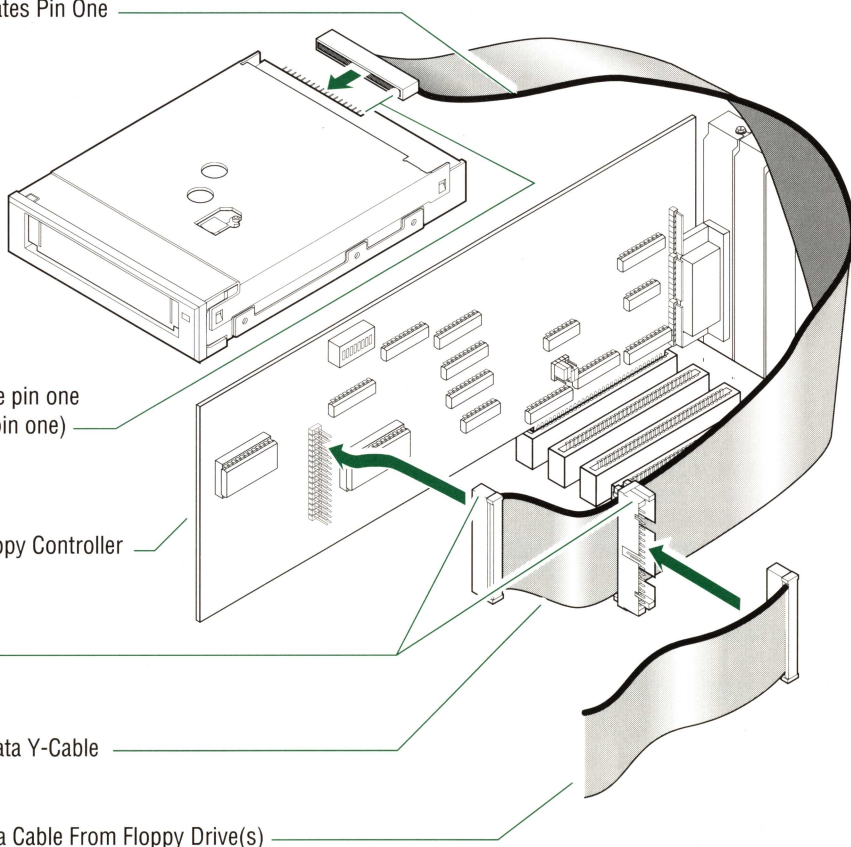
Pin One
(match cable pin one
with board pin one)

Existing Floppy Controller

Pin One

AH-402—Data Y-Cable

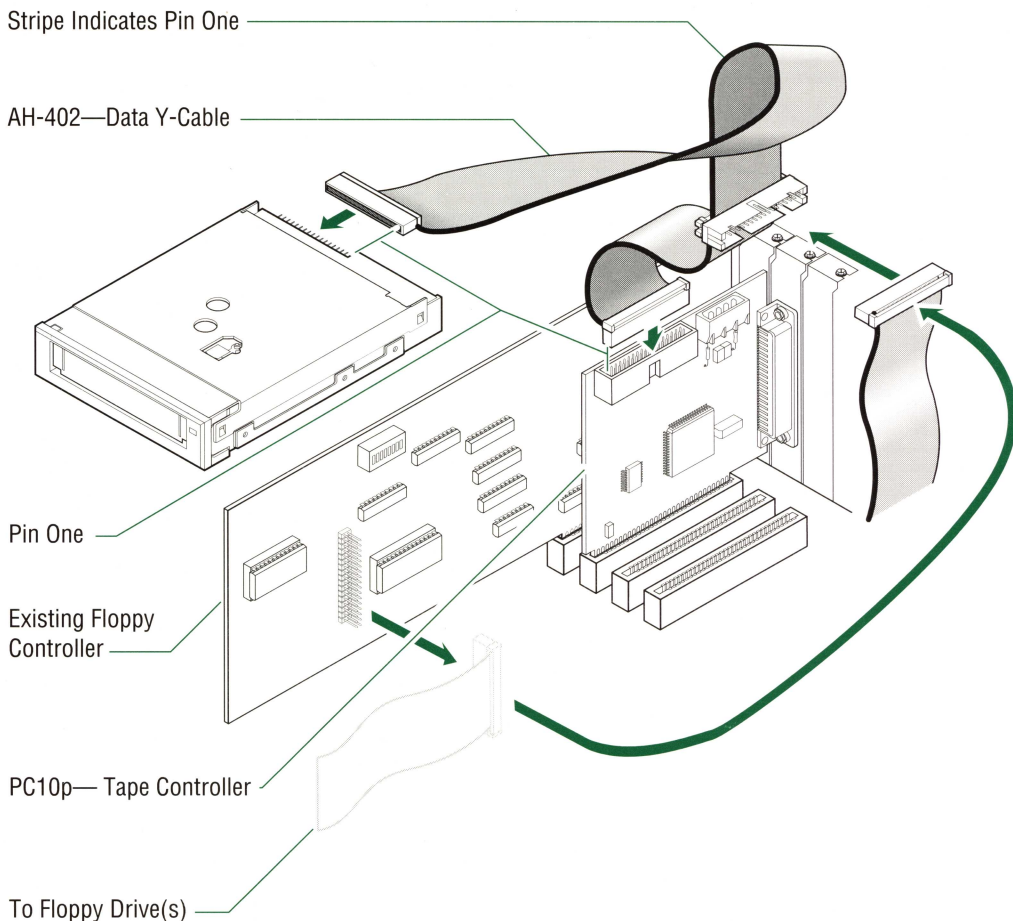
Existing Data Cable From Floppy Drive(s)



Connecting the Data Y-Cable to the Existing Floppy Controller and the TAPE250 Drive

8

Data Connection Using the Optional PC10p Tape Controller Connect one end of the new data Y-cable to the 34-pin connection of the TAPE250 drive. Connect the other end of the data Y-cable to the Iomega PC10p tape controller as illustrated next.



Connecting the Data Y-Cable to the PC10p Tape Controller and the Insider Tape Drive

- 9 After the power and data cables are connected securely, mount the drive solidly in the bay (do not over-torque the mounting screws).
- 10 Carefully arrange the cables to allow maximum air flow inside the computer and replace the computer cover.
- 11 Restore power, boot the computer, and refer to the software documentation for instructions about installing the software, formatting tapes, and making backups. (If you installed the PC10p, you must configure your tape software to run with the PC10p settings.)

Thank you for choosing Iomega TAPE250!

Warranty Information

This TAPE250 product and any Iomega TAPE250 tape cartridge(s) have a two year limited warranty beginning from date of purchase. For more complete warranty information, refer to the *Warranty Information* packet shipped with this product.

If you need additional information or assistance, refer to the index in the *Iomega TAPE250 Subsystems General Reference Guide*.

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